### **Table J2. - Chemical Properties of the Soils**

Lyon County Area, Nevada

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
404	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
101:	0.40	2.0.40		04.70	0	0	0.0	0
Ackley	0-10 10-34	3.0-10 14-21		6.1 - 7.3 6.1 - 7.3	0 0	0 0	0.0 0.0	0 0
	34-60	6.0-12		6.6 - 9.0	0-5	0	0.0-4.0	0
102:								
Ackley	0-10	3.0-10		6.1 - 7.3	0	0	0.0	0
	10-34	14-21		6.1 - 7.3	0	0	0.0	0
	34-60	6.0-12		6.6 - 9.0	0-5	0	0.0-4.0	0
103:								
Ackley	0-10	3.0-10		6.1 - 7.3	0	0	0.0	0
	10-34	14-21		6.1 - 7.3	0	0	0.0	0
	34-60	6.0-12		6.6 - 9.0	0-5	0	0.0-4.0	0
Ackley Variant	0-7	1.0-5.0		7.4 - 8.4	0	0	4.0-8.0	1-5
roney variant	7-25	15-20		7.4 - 8.4	1-5	1-10	4.0-8.0	5-13
	25-60					60-80		
404								
121:	0.0	4050		70.00	4.5	0	0.0.4.0	F 40
Appian	0-8 8-18	1.0-5.0 16-22		7.9 - 9.0 8.5 - 9.6	1-5 5-10	0 1-2	0.0-4.0 0.0-8.0	5-12
	0-10 18-60	0.0-5.0		6.5 - 9.6 7.4 - 9.6	5-10 0	0	0.0-8.0	31-90 0-5
	.000	0.0 0.0		0.0	· ·	Ū	0.0 2.0	
122:								
Appian	8-0	9.0-13		7.9 - 9.0	1-5	0	0.0-4.0	5-12
	8-18	16-22		8.5 - 9.6	5-10	1-2	0.8-0.0	31-90
	18-60	0.0-5.0		7.4 - 9.6	0	0	0.0-2.0	0-5
123:								
Appian	0-8	1.0-5.0		7.9 - 9.0	1-5	0	0.0-4.0	5-12
	8-18	16-22		8.5 - 9.6	5-10	1-2	0.8-0.0	31-90
	18-60	0.0-5.0		7.4 - 9.6	0	0	0.0-2.0	0-5
Wabuska	0-9	11-16		8.5 - 9.0	0-1	0	2.0-4.0	30-80
· · ababita	9-60	7.0-14		7.9 - 9.0	0-1	0	2.0-4.0	5-50
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
124:								
Appian	0-8	1.0-5.0		7.9 - 9.0	1-5	0	0.0-4.0	5-12
11. *	8-18	16-22		8.5 - 9.6	5-10	1-2	0.0-8.0	31-90
	18-60	0.0-5.0		7.4 - 9.6	0	0	0.0-2.0	0-5

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
24:								
Delp	0-1	1.0-5.0		7.9 - 9.0	1-5	0	0.0-2.0	5-12
	1-60	4.0-12		8.5 - 9.0	1-5	0	0.0-4.0	5-30
	60-64	3.0-7.0		8.5 - 9.0	1-5	0	0.0-4.0	5-30
41:								
	0-2	4.0-9.0		7.9 - 9.0	0	0	4.0-8.0	10-13
Bango	2-13	4.0-9.0 14-22		7.9 - 9.0 7.9 - 9.0	0-5	0	4.0-8.0	10-13
	13-50	13-22		7.9 - 9.0 7.9 - 9.0	0-5 0-5	0-1	4.0-8.0	13-45
	50-60	0.0-3.0		7.9 - 9.0 7.4 - 9.0	0-3 0-2	0-1 0-1	4.0-8.0	5-30
		0.0						
42:								
Bango	0-2	0.0-4.0		7.4 - 8.4	0-1	0	4.0-8.0	5-12
	2-13	14-22		7.9 - 9.0	0-5	0	4.0-8.0	10-30
	13-60	11-22		7.9 - 9.0	0-5	0-1	4.0-8.0	13-30
51:								
Bluewing Variant	0-3	29-43		6.6 - 8.4	0-2	0-2	0.0-4.0	0-5
ŭ	3-60	28-43		6.6 - 8.4	0-2	0-2	0.0-4.0	0-5
61:								
Bluewing	0-3	2.0-8.0		7.4 - 9.0	0-2	0	0.0-2.0	0-5
	3-60	2.0-8.0		7.4 - 9.0	1-5	0	0.0-4.0	1-12
62:								
Bluewing	0-5	2.0-8.0		7.4 - 9.0	0-5	0	0.0-2.0	1-5
g	5-60	2.0-8.0		7.4 - 9.0	1-5	0	0.0-4.0	1-12
71:								_
Cagle	0-4	25-35		6.1 - 7.8	0	0	0.0	0
	4-12	30-45		6.1 - 7.8	0	0	0.0	0
	12-28	30-45		6.1 - 7.8	0	0	0.0	0
	28-32							
Nosrac	0-2	25-30		6.1 - 7.3	0	0	0.0	0
	2-9	18-25		6.1 - 7.3	0	0	0.0	0
	9-18	20-30		6.1 - 7.3	0	0	0.0	0
	18-60	15-25		6.1 - 7.3	0	0	0.0	0
81:	2.2	40.00		00.70	2	6	0.0	•
Charlebois	0-8	13-22		6.6 - 7.8	0	0	0.0	0
	8-19	20-27		6.6 - 7.8	0	0	0.0	0
	19-60	11-16		7.9 - 9.0	0-3	0	0.0-2.0	1-12
Voltaire	0-20	20-30		7.9 - 9.6	1-5	0	16.0-32.0	46-90
	20-60	20-30		7.9 - 9.0	1-5	0	4.0-8.0	13-30
Charlebois, Wet								

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
182:								
Charlebois	0-8	13-22		6.6 - 7.8	0	0	0.0	0
	8-19	20-27		6.6 - 7.8	0	0	0.0	0
	19-60	11-16		7.9 - 9.0	0-3	0	0.0-2.0	1-12
184:								
Charlebois	0-8	13-22		6.6 - 7.8	0	0	0.0	0
	8-19	20-27		6.6 - 7.8	0	0	0.0	0
	19-60	11-16		7.9 - 9.0	0-3	0	0.0-2.0	1-12
185:								
Charlebois	0-8	6.0-15		6.6 - 7.8	0	0	0.0	0
G.16.1.52.515	8-19	20-27		6.6 - 7.8	0	0	0.0	0
	19-60	11-16		7.9 - 9.0	0-3	0	0.0-2.0	1-12
404								
191: Chill	0-3	5.0-11		6.6 - 7.8	0	0	0.0	0
OTIIII	3-7	19-27		6.6 - 7.8	0	0	0.0	0
	7-11							
Chill	0-3	5.0-11		6.6 - 7.8	0	0	0.0	0
	3-7 7-11	19-27 		6.6 - 7.8	0 	0	0.0	0 
	7-11							
201:								
Cleaver	0-6	1.0-4.0		6.6 - 8.4	0-2	0	0.0-2.0	1-5
	6-14	19-26		6.6 - 8.4	0-2	0	0.0-2.0	1-12
	14-40							
202:								
Cleaver	0-3	4.0-9.0		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	3-11	18-25		6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46							
	46-60	4.0-8.0		6.6 - 9.0	5-10	0	0.0-2.0	5-30
204:								
Cleaver	0-3	4.0-9.0		6.6 - 9.0	0-2	0	0.0-2.0	1-12
	3-11	18-26		6.6 - 8.4	0-2	0	0.0-2.0	1-12
	11-46							
206.								
206: Cleaver	0-3	7.0-15		6.6 - 9.0	0-2	0	0.0-2.0	1-12
Cicavei	0-3 3-11	7.0-15 18-26		6.6 - 8.4	0-2 0-2	0	0.0-2.0	1-12
	11-46							
207:	2.2	704-		00.00	2.5	•	0.0.0.0	
Cleaver	0-3	7.0-15		6.6 - 9.0	0-2	0	0.0-2.0	1-12
	3-11 11-46	18-26 		6.6 - 8.4 	0-2 	0	0.0-2.0	1-12 

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
07:	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
08:								
Cleaver	0-3	4.0-9.0		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	3-11	18-25		6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46							
	46-60	4.0-8.0		6.6 - 9.0	5-10	0	0.0-2.0	5-30
Cleaver	0-3	4.0-9.0		6.6 - 9.0	0-2	0	0.0-2.0	1-12
	3-11	18-26		6.6 - 8.4	0-2	0	0.0-2.0	1-12
	11-46							
00.								
09: Cleaver	0-3	4.0-9.0		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	3-11	18-25		6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46							
	46-60	4.0-8.0		6.6 - 9.0	5-10	0	0.0-2.0	5-30
Cleaver	0-3	4.0-9.0		6.6 - 9.0	0-1	0	0.0-2.0	1-12
Olcavei	3-11	18-25		6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46							
	46-60	4.0-8.0		6.6 - 9.0	5-10	0	0.0-2.0	5-30
14:								
Cleaver	0-4	5.0-15		6.6 - 9.0	0-1	0	0.0-2.0	1-12
Olcavei	4-12	18-25		6.6 - 8.4	0	0	0.0-2.0	1-12
	12-60							
Dhamis	0.7	2000		74.00	0.0	0	0.0.00	0.5
Bluewing	0-7 7.60	2.0-8.0		7.4 - 9.0 7.4 - 9.0	0-2 1-5	0 0	0.0-2.0	0-5 1-12
	7-60	2.0-8.0		7.4 - 9.0	1-5	U	0.0-4.0	1-12
Trocken	0-3	5.0-12		8.5 - 9.6	1-5	0	0.0-2.0	1-12
	3-60	5.0-12		7.9 - 9.6	1-5	0-1	2.0-4.0	5-12
21:								
Dalzell	0-3	2.0-8.0		8.5 - 9.6	1-5	0	4.0-8.0	13-30
	3-21	15-25		8.5 - 9.6	1-5	0	4.0-8.0	13-30
	21-28							
	28-60	3.0-10		8.5 - 9.6	1-5	0	2.0-8.0	1-12
23:								
	0.3	25.20		95 06	4 F	0	4000	12.20
Dalzell	0-3	25-30 15-25		8.5 - 9.6 8.5 - 9.6	1-5 1-5	0	4.0-8.0 4.0-8.0	13-30 13-30
	3-21 21-28	15-25		8.5 - 9.6	1-5	0	4.0-8.0	13-30
	21-28 28-60	3.0-10		8.5 - 9.6	1-5	0	2.0-8.0	1-12

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
231:								
Delp	0-5	1.0-7.0		7.9 - 9.0	1-5	0	0.0-2.0	5-12
	5-19	4.0-12		8.5 - 9.0	1-5	0	0.0-4.0	5-30
	19-60	3.0-7.0		8.5 - 9.0	1-5	0	0.0-4.0	5-30
Lox	0-3	4.0-9.0		7.9 - 9.0	0-5	0	4.0-8.0	13-30
	3-8	17-26		8.5 - 9.0	0-5	0	2.0-16.0	13-45
	8-60	4.0-12		8.5 - 9.0	0-5	0	2.0-8.0	13-45
232:								
Delp	0-5	1.0-5.0		7.9 - 9.0	1-5	0	0.0-2.0	5-12
	5-19	4.0-12		8.5 - 9.0	1-5	0	0.0-4.0	5-30
	19-60	3.0-7.0		8.5 - 9.0	1-5	0	0.0-4.0	5-30
Orizaba	0-3	14-19		9.1 - 9.6	1-5	0	4.0-8.0	15-40
	3-60	18-26		8.5 - 9.6	1-5	0	4.0-16.0	15-40
233:								
Delp	0-5	1.0-7.0		7.9 - 9.0	1-5	0	0.0-2.0	5-12
•	5-19	4.0-12		8.5 - 9.0	1-5	0	0.0-4.0	5-30
	19-60	3.0-7.0		8.5 - 9.0	1-5	0	0.0-4.0	5-30
241:								
Devada	0-4	20-30		6.1 - 7.8	0	0	0.0	0
201444	4-13	32-48		6.1 - 7.8	0	0	0.0	0
	13-17							
Rock Outcrop								
242:								
Devada	0-5	20-30		6.1 - 7.8	0	0	0.0	0
	5-18	32-48		6.1 - 7.8	0	0	0.0	0
	18-22							
Rock Outcrop								
243:								
Devada	0-4	20-30		6.1 - 7.8	0	0	0.0	0
	4-5	20-30		6.1 - 7.3	0	0	0.0	0
	5-13	32-48		6.1 - 7.3	0	0	0.0	0
	13-17							
Devada	0-4	20-30		6.1 - 7.8	0	0	0.0	0
	4-5	20-30		6.1 - 7.3	0	0	0.0	0
	5-13	32-48		6.1 - 7.3	0	0	0.0	0
	13-17							



Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
243:								
Koontz, EXTREMELY STONY	0-2	10-20		6.6 - 7.8	0	0	0.0	0
	2-5	10-25		6.6 - 7.8	0	0	0.0	0
	5-12	15-30		6.1 - 7.8	0	0	0.0	0
	12-16							
244:								
Devada	0-4	20-30		6.1 - 7.3	0	0	0.0	0
	4-13	32-48		6.1 - 7.3	0	0	0.0	0
	13-17							
Koontz	0-7	10-20		6.6 - 7.8	0	0	0.0	0
	7-14	15-30		6.6 - 8.4	0	0	0.0	0
	14-18							
251: Dia	0-20	13-24		6.6 - 7.8	0	0	0.0	0-5
Dia	20-24	14-20		6.6 - 7.8	0	0	0.0	0-5 0-5
	24-60	0.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
		0.0 0.0		0.0	· ·	ŭ	0.0 2.0	
252:								
Dia	0-9	21-31		6.6 - 7.8	0	0	0.0	0-5
	9-24	14-20		6.6 - 7.8	0	0	0.0	0-5
	24-60	0.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
253:								
Dia	0-9	23-36		6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24		6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0		6.6 - 7.8	0	0	0.0	0-5
254:								
Dia	0-9	23-36		6.6 - 7.8	0	0	0.0	0-5
2.0	9-19	14-24		6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0		6.6 - 7.8	0	0	0.0	0-5
D'ile e d	0.44	04.04		7.4.00	0	0	0.0.4.0	4.40
Dithod	0-11	24-31		7.4 - 9.0	0	0 0	2.0-4.0	1-12
	11-60	13-20		7.4 - 8.4	0-1	U	0.0-4.0	1-12
Dithod	0-11	15-24		7.4 - 8.4	0	0	8.0-32.0	13-30
	11-60	13-21		7.4 - 8.4	0-1	0	0.0-4.0	1-12
255:								
Dia	0-19	13-24		6.6 - 7.8	0	0	0.0	0
	19-24	14-20		6.6 - 7.8	0	0	0.0	0
	24-60	0.0-5.0		6.6 - 7.8	0	0	0.0-2.0	0
				_			_	
Dithod	0-11	21-34		7.4 - 8.4	0	0	0.0-4.0	5-12
	11-20 20-60	15-22 14-22		7.4 - 8.4 7.4 - 8.4	0 0-1	0 0	0.0-2.0 0.0-2.0	1-12 1-12

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
255:								
256:								
Dia	0-19	13-24		6.6 - 7.8	0	0	0.0	0
	19-24	14-20		6.6 - 7.8	0	0	0.0	0
	24-60	0.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
Sagouspe	0-16	5.0-10		6.6 - 8.4	1-5	0	0.0-4.0	0-5
Cagoaopo	16-60	1.0-5.0		7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
Sagarana	0-16	1.0-5.0		6.6 - 8.4	1-5	0	0.0-2.0	0
Sagouspe	16-60	1.0-5.0		7.9 - 9.6	1-10	0-2	0.0-2.0	0-5
	10-00	1.0-5.0		7.9 - 9.0	1-10	0-2	0.0-4.0	0-5
261:								
Dithod	0-11	15-25		6.6 - 8.4	0	0	0.0-4.0	0-5
	11-20	10-20		6.6 - 8.4	0	0	0.0-2.0	0-5
	20-60	15-20		6.6 - 8.4	0	0	0.0-2.0	0-5
	60-64	1.0-5.0		6.6 - 8.4	0	0	0.0-2.0	0-5
262:								
Dithod	0-11	13-21		6.6 - 9.0	0	0	0.0-4.0	0-5
	11-40	13-20		6.6 - 8.4	0	0	0.0-2.0	0-5
	40-60	19-30		6.6 - 8.4	0	0	0.0-2.0	0-5
Dia, WET	0-9	23-36		6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24		6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0		6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25		6.6 - 7.3	0	0	0.0	0
Killillelling	26-38	13-20		6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0		6.6 - 7.3	0	0	0.0	0
200								
263: Dithod	0-11	24-31		7.4 - 9.0	0	0	2.0-4.0	1-12
Ditriod	11-60	13-20		7.4 - 8.4	0-1	0	0.0-4.0	1-12
D'- WET	0.0	00.00		00.70	0	0	0.0	0.5
Dia, WET	0-9	23-36		6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24		6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0		6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25		6.6 - 7.3	0	0	0.0	0
	26-38	13-20		6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0		6.6 - 7.3	0	0	0.0	0
264:								
Dithod	0-11	15-24		7.4 - 8.4	0	0	16.0-32.0	13-30
	11-60	13-21		7.4 - 8.4	0-1	0	0.0-4.0	1-12

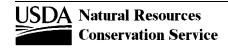
Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
264:								
Dia, WET	0-9	23-36		6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24		6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0		6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25		6.6 - 7.3	0	0	0.0	0
	26-38	13-20		6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0		6.6 - 7.3	0	0	0.0	0
65:								
Dithod	0-11	25-35		6.6 - 8.4	0	0	0.0-2.0	0-5
	11-20	10-20		6.6 - 8.4	0	0	0.0-2.0	0-5
	20-60	15-20		6.6 - 8.4	0	0	0.0-2.0	0-5
	60-64	1.0-5.0		6.6 - 8.4	0	0	0.0-2.0	0-5
268:								
Dithod	0-11	24-31		7.4 - 9.0	0	0	16.0-32.0	13-30
200	11-60	13-21		7.4 - 8.4	0-1	0	0.0-4.0	1-12
Dia, WET	0-9	23-36		6.6 - 7.8	0	0	0.0	0-5
Dia, WEI	9-19	14-24		6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0		6.6 - 7.8	0	0	0.0	0-5
269:								
Dia	0-5	13-24		6.6 - 7.8	0	0	0.0	0-5
Dia	5-29	14-20		6.6 - 7.8	0	0	0.0	0-5
	29-60	0.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
Dithod	0-11	15-25		6.6 - 8.4	0	0	0.0-4.0	0-5
Ditriod	11-20	10-20		6.6 - 8.4	0	0	0.0-4.0	0-5 0-5
	20-60	15-20		6.6 - 8.4	0	0	0.0-2.0	0-5
	60-64	1.0-5.0		6.6 - 8.4	0	0	0.0-2.0	0-5
Cagauana	0.16	5.0-10		6.6 - 8.4	1.5	0	0.0-4.0	0
Sagouspe	0-16 16-60	1.0-5.0		7.9 - 9.6	1-5 1-10	0 0-2	0.0-4.0	0 0-5
71:								
East Fork	0.44	16.00		66 70	0	0	0.0	^
Last FUIK	0-14 14-60	16-23 18-27		6.6 - 7.3 6.6 - 8.4	0 0-5	0 0	0.0 0.0-2.0	0 1-5
	14-60	10-21		0.0 - 0.4	0-5	U	0.0-2.0	1-5
72:		40.55		00.55	-	6	0015	
East Fork	0-14	16-25		6.6 - 9.0	0	0	0.0-4.0	0-12
	14-60 60-64	18-27 18-27		6.6 - 8.4 6.6 - 8.4	0-1 0-5	0 0	0.0-2.0 0.0-2.0	1-5 1-5
				-		-	-	-
774:	0.14	21 20		66 72	0	0	0.0	0
East Fork	0-14 14 60	21-29		6.6 - 7.3	0	0	0.0	0 1-5
	14-60	18-27		6.6 - 8.4	0-5	0	0.0-2.0	

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
275:								
East Fork	0-14 14-60	21-31 14-23		7.9 - 9.0 7.4 - 8.4	0 0-2	0 0	16.0-32.0 0.0-4.0	13-45 5-30
276:								
East Fork	0-8	21-29		7.4 - 8.4	0	0	0.0-2.0	0
	8-40	18-27		7.4 - 8.4	0-1	0	0.0-2.0	1-5
	40-60	25-34		7.4 - 8.4	0-5	0	0.0-2.0	1-5
277:								
East Fork	0-14	21-29		6.6 - 7.3	0	0	0.0	0
	14-60	18-27		6.6 - 8.4	0-1	0	0.0-2.0	0-5
287:								
Erastra, EXTREMELY STONY	0-3	10-20		6.1 - 7.3	0	0	0.0	0
	3-7	15-25		6.1 - 7.3	0	0	0.0	0
	7-11	15-25		6.1 - 7.3	0	0	0.0	0
	11-14	15-25		6.1 - 7.3	0	0	0.0	0
	14-24							
Eaglerock, VERY STONY	0-2	15-25		6.1 - 7.3	0	0	0.0	0
_ag.o.co.i,	2-5	10-20		6.1 - 7.3	0	0	0.0	0
	5-31	15-30		6.1 - 7.3	0	0	0.0	0
	31-60							
Erastra, EXTREMELY STONY	0-3	10-20		6.1 - 7.3	0	0	0.0	0
	3-7	15-25		6.1 - 7.3	0	0	0.0	0
	7-11	15-25		6.1 - 7.3	0	0	0.0	0
	11-14	15-25		6.1 - 7.3	0	0	0.0	0
	14-24							
291:								
Fallon	0-10	1.0-6.0		6.6 - 8.4	0-1	0	0.0-2.0	0-5
	10-60	4.0-13		6.6 - 8.4	1-5	0	0.0-2.0	0-12
292:								
Fallon	0-10	5.0-13		6.6 - 9.0	0-5	0	4.0-8.0	1-12
	10-60	4.0-13		6.6 - 8.4	1-5	0	0.0-2.0	0-12
293:								
Fallon	0-10	5.0-13		6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13		6.6 - 8.4	0-5	0	0.0-2.0	5-12
294:								
Fallon	0-10	5.0-13		7.9 - 9.6	0-1	0	8.0-16.0	13-30
	10-60	4.0-13		7.4 - 9.0	0-3	0	0.0-8.0	1-12
295:								

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
295:								
Fallon	0-10	5.0-13		6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13		6.6 - 8.4	0-5	0	0.0-2.0	5-12
301:								
Fernley	0-8	1.0-6.0		6.6 - 8.4	0-1	0	0.0-2.0	5-12
•	8-60	0.0-5.0		6.6 - 8.4	0-1	0	0.0-2.0	1-12
Dia, WET	0-9	23-36		6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24		6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0		6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25		6.6 - 7.3	0	0	0.0	0
Turring	26-38	13-20		6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0		6.6 - 7.3	0	0	0.0	0
302:								
Fernley	0-8	1.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
1 emiley	8-60	0.0-5.0		6.6 - 8.4	0-1	0	0.0-2.0	0-5
311:								
Fulstone	0-5	9.0-18		6.1 - 7.3	0	0	0.0	0
ruistone	5-18	33-44		6.6 - 8.4	0 0	0 0	0.0-2.0	0 0-5
	18-30			0.0 - 0.4			0.0-2.0	U-5 
	30-48	4.0-12		8.5 - 9.0	3-15	0	0.0-2.0	5-30
312:								
Fulstone	0-5	9.0-18		6.1 - 7.3	0	0	0.0	0
ruistone	5-18	33-44		6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30						0.0-2.0	
	30-48	4.0-12		8.5 - 9.0	3-15	0	0.0-2.0	5-30
313:								
Fulstone	0-5	6.0-15		6.1 - 7.3	0	0	0.0	0
i uiðtuli <del>c</del>	0-5 5-18	33-44		6.6 - 8.4	0	0	0.0	0-5
	18-30						0.0-2.0	
	30-48	4.0-12		8.5 - 9.0	3-15	0	0.0-2.0	5-30
Fulstone	0-5	6.0-15		6.1 - 7.3	0	0	0.0	0
า นเอเปท <del>ี่เร</del>		33-44		6.6 - 8.4	0	0	0.0	0-5
	5-18 18-30	33-44		0.0 - 6.4			0.0-2.0	U-5 
	30-48	4.0-12		8.5 - 9.0	3-15	0	0.0-2.0	5-30
314:								
	0-5	10-15		6.1 - 7.3	0	0	0.0	0
Fulstone	0-5	10-15		0.1-7.3	U	U	0.0	U
Tuistorio	5-18	35-60		6.6 - 8.4	0	0	0.0-2.0	0-2



Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
314:								
Reno	0-7	5.0-20		6.1 - 7.3	0	0	0.0	0
	7-23	30-60		6.1 - 7.8	0	0	0.0	0
	23-50							
15:								
Fulstone	0-5	9.0-18		6.1 - 7.3	0	0	0.0	0
ruistorie		9.0-16 33-44		6.6 - 8.4	0	0		
	5-18	33-44			0	0	0.0-2.0	0-5 
	18-30			 0	 2.45			
	30-48	4.0-12		8.5 - 9.0	3-15	0	0.0-2.0	5-30
Stucky	0-6	8.0-15		6.6 - 7.3	0	0	0.0	0
	6-20	20-30		6.6 - 7.3	0	0	0.0	0
	20-60	10-20		6.6 - 8.4	0-5	0	0.0-2.0	0
21:								
Haybourne	0-11	5.0-15		6.6 - 7.8	0	0	0.0	0
Taybourne	11-32	5.0-15		6.6 - 8.4	0	0	0.0-2.0	0
	32-60	5.0-10		6.6 - 8.4	0-1	0	0.0-2.0	0
41:								_
Holbrook	0-10	9.0-17		6.1 - 7.3	0	0	0.0	0
	10-60	5.0-9.0		6.1 - 8.4	0	0	0.0-2.0	0-5
43:								
Holbrook	0-7	6.0-13		6.1 - 7.3	0	0	0.0	0
	7-60	5.0-9.0		6.1 - 8.4	0	0	0.0-2.0	0-5
Hatan da sa	0.5	4050		00.70	•	0	0.0	0
Hotsprings	0-5 5-60	1.0-5.0 1.0-4.0		6.6 - 7.3 6.6 - 7.3	0 0	0 0	0.0 0.0	0 0
	J-00	1.0 4.0		0.0 - 1.0	O	J	0.0	U
44:								
Holbrook	0-8	6.0-13		6.1 - 7.3	0	0	0.0	0
	8-60	5.0-9.0		6.1 - 8.4	0	0	0.0-2.0	0-5
Shree	0-10	15-25		6.1 - 7.8	0	0	0.0	0
J.11.00	10-26	25-35		6.6 - 7.8	0	0	0.0	0
	26-60	8.0-20		6.6 - 7.8	0	0	0.0	0
52:								
Hotsprings	0-4	1.0-4.0		6.6 - 7.3	0	0	0.0	0
	4-60	1.0-4.0		6.6 - 7.3	0	0	0.0	0
53:								
Hotsprings	0-4	1.0-5.0		6.6 - 7.3	0	0	0.0	0
. 0	4-60	1.0-4.0		6.6 - 7.3	0	0	0.0	0

Table J2. - Chemical Properties of the Soils - Continued

		Exchange Capacity	Cation Exchange Capacity	Soil Reaction	Carbon- ate	Gypsum	Salinity	Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
54:								
Hotsprings	0-4	1.0-5.0		6.6 - 7.3	0	0	0.0	0
	4-60	1.0-4.0		6.6 - 7.3	0	0	0.0	0
Holbrook	0-8	5.0-15		6.1 - 7.3	0	0	0.0	0
	8-60	5.0-10		6.1 - 8.4	0-5	0	0.0-2.0	0
61:								
Hough	0-10	5.0-8.0		6.6 - 7.3	0	0	0.0	0
	10-21	13-19		6.6 - 7.3	0	0	0.0	0
	21-60	2.0-5.0		6.6 - 8.4	0-2	0-1	2.0-4.0	1-5
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
•	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
71:								
Hyloc	0-5	12-18		6.1 - 7.3	0	0	0.0	0
•	5-18	29-41		6.6 - 7.3	0	0	0.0	0
	18-24							
	24-28							
Ister	0-17	10-15		6.6 - 7.8	0	0	0.0	0
	17-38	20-30		6.6 - 7.8	0	0	0.0	0
	38-42							
72:								
Hyloc	0-5	12-18		6.1 - 7.3	0	0	0.0	0
,	5-18	29-41		6.6 - 7.3	0	0	0.0	0
	18-24							
	24-28							
Ister	0-17	10-15		6.6 - 7.8	0	0	0.0	0
	17-38	20-30		6.6 - 7.8	0	0	0.0	0
	38-42							
Rock Outcrop								
Fluvaquentic Endoaquolls	0-12	10-20		6.1 - 7.3	0	0	0.0	0
. lavaquonilo Endoaquolis	12-35	20-30		7.4 - 9.6	0-5	0	0.0-8.0	0-12
	35-60	10-15		6.6 - 8.4	0-5	0	0.0-8.0	0-5
91:								
Juva	0-4	4.0-13		7.9 - 9.0	0-5	0	0.0-2.0	1-12
ouvu	4-60	4.0-13		7.9 - 9.0	1-10	0	0.0-2.0	13-30
92:								
Juva	0-4	4.0-13		7.9 - 9.0	0-5	0	0.0-2.0	1-12
ouva	4-60	4.0-13		7.9 - 9.0 7.9 - 9.0	1-10	0	0.0-2.0	13-30

Table J2. - Chemical Properties of the Soils - Continued

In   meq/100 g   meq/100 g   pH   Pct   Pct   mmhos/cm	Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
Lahontan  0-10		In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
## 10-60									
Lapon	iontan								30-45 13-45
2-10   22-27     6.6 - 9.0   0-2   0   0.0-4.0     10-20                 20-24               1412:   Lapon   0-2   13-22     6.6 - 7.8   0   0   0.0     2-10   22-27     6.6 - 9.0   0-2   0   0.0-4.0     10-20               10-20               20-24               20-24               Rubble Land                 Rock Outcrop                 Rock Outcrop                 13:									
2-10   22-27     6.6 - 9.0   0-2   0   0.0-4.0     10-20                 20-24             20-24             212:	on	0-2	13-22		6.6 - 7.8	0	0	0.0	0-5
10-20									1-12
Hate Lapon		10-20							
Lapon    13-22									
Lapon    13-22									
2-10   22-27     6.6 - 9.0   0-2   0   0.0-4.0     10-20               20-24             20-24             20-24           20-24           3           Rubble Land             Rock Outcrop           Rock Outcrop             413:   Lapon   0-2   13-22     6.6 - 7.8   0   0   0.0     2-10   22-27     6.6 - 9.0   0-2   0   0.0-4.0     10-20               10-20               20-24             20-24             5-18   33-44     6.6 - 9.0   0-2   0   0.0-2.0     5-18   33-44     6.6 - 8.4   0   0   0.0-2.0     18-30               30-48   4.0-12     8.5 - 9.0   3-15   0   0.0-2.0     Old Camp   0-4   8.0-16     6.6 - 7.8   0   0   0.0-2.0     4-17   17-23     6.6 - 9.0   0-5   0   0.0-2.0     17-21               441:   Lunder   0-7   15-25     6.6 - 7.8   0   0   0.0     16-31                 31-60   4.0-8.0     7.9 - 9.0   1-10   0   2.0-4.0     451:   Obanion   0-11   2.0-10     7.4 - 9.0   0-5   0   0.0-2.0     452:	on	0-2	13-22		6.6 - 7.8	Ο	0	0.0	0-5
10-20									1-12
Rubble Land  Rubble Land		_					-		
Rock Outcrop									
413: Lapon  0-2 13-22 6.6 - 7.8 0 0 0.0  10-20 6.6 - 9.0 0-2 0 0.0-4.0  10-20  20-24  Fulstone  0-5 9.0-18 6.6 - 8.4 0 0 0 0.0-2.0  18-30  18-30  30-48 4.0-12 8.5 - 9.0 3-15 0 0.0-2.0  Old Camp  0-4 8.0-16 6.6 - 7.8 0 0 0 0.0-2.0  4-17 17-23 6.6 - 9.0 0-5 0 0.0-2.0  17-21  441:  Lunder  0-7 15-25 6.6 - 7.8 0 0 0 0.0  16-31  31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion  0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-2.0  452:	oble Land								
413: Lapon  0-2 13-22 6.6 - 7.8 0 0 0.0  10-20 6.6 - 9.0 0-2 0 0.0-4.0  10-20  20-24  Fulstone  0-5 9.0-18 6.6 - 8.4 0 0 0 0.0-2.0  18-30  18-30  30-48 4.0-12 8.5 - 9.0 3-15 0 0.0-2.0  Old Camp  0-4 8.0-16 6.6 - 7.8 0 0 0 0.0-2.0  4-17 17-23 6.6 - 9.0 0-5 0 0.0-2.0  17-21  441:  Lunder  0-7 15-25 6.6 - 7.8 0 0 0 0.0  16-31  31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion  0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-2.0  452:	ck Outcrop								
Lapon  0-2 13-22 6.6 - 7.8 0 0 0.0 2-10 22-27 6.6 - 9.0 0-2 0 0.0-4.0 10-20 20-24 6.6 - 9.0 0-2 0 0.0-4.0 10-20 20-24 20-24 20-24 20-24 20-24 20-24 20-24 20-24 20-24 20-24	·								
Fulstone    2-10   22-27     6.6 - 9.0   0-2   0   0.0-4.0     10-20               20-24             20-24           20-24           20-24           20-24           20-24         20-24         20-24         20-24         20-24         20-24         20-24         20-24       20-25       20-26       20-26       20-26       20-27       20-28       20-29       20-20									
Fulstone  0-5 9.0-18 18-30 18-30 30-48 4.0-12 8.5 - 9.0 3-15 0 0.0-2.0  Old Camp  0-4 8.0-16 6.6 - 7.8 0 0 0.0-2.0 4-17 17-23 6.6 - 9.0 0-5 0 0.0-2.0 17-21 17-16 35-43 6.6 - 7.8 0 0 0 0.0 16-31 31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion  0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-2.0  452:	on								0
Fulstone  0-5 9.0-18 6.1 - 7.3 0 0 0.0  5-18 33-44 6.6 - 8.4 0 0 0.0-2.0  18-30  30-48 4.0-12 8.5 - 9.0 3-15 0 0.0-2.0  Old Camp  0-4 8.0-16 6.6 - 7.8 0 0 0.0-2.0  4-17 17-23 6.6 - 9.0 0-5 0 0.0-2.0  17-21  141:  Lunder  0-7 15-25 6.6 - 7.8 0 0 0.0  16-31  31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion  0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0  11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0						0-2	0		1-12
Fulstone  0-5 9.0-18 6.1 - 7.3 0 0 0 0.0 0.0 18-30 6.6 - 8.4 0 0 0 0.0-2.0 18-30									
5-18 33-44 6.6 - 8.4 0 0 0 0.0-2.0    18-30		20-24							
18-30	stone	0-5	9.0-18		6.1 - 7.3	0	0	0.0	0
Old Camp  Old Solution  Old		5-18	33-44		6.6 - 8.4	0	0	0.0-2.0	0-5
Old Camp  0-4 8.0-16 6.6 - 7.8 0 0 0.0 4-17 17-23 6.6 - 9.0 0-5 0 0.0-2.0 17-21  441:  Lunder  0-7 15-25 6.6 - 7.8 0 0 0.0 7-16 35-43 6.6 - 7.8 0 0 0.0 16-31 31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion  0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0 11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0		18-30							
4-17 17-23 6.6 - 9.0 0-5 0 0.0-2.0 17-21 141:  Lunder 0-7 15-25 6.6 - 7.8 0 0 0.0 7-16 35-43 6.6 - 7.8 0 0 0.0 16-31 31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion 0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0 11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0		30-48	4.0-12		8.5 - 9.0	3-15	0	0.0-2.0	5-30
17-21	Camp	0-4	8.0-16		6.6 - 7.8	0	0	0.0	0
441: Lunder  0-7 15-25 6.6 - 7.8 0 0 0.0  7-16 35-43 6.6 - 7.8 0 0 0.0  16-31  31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451: Obanion  0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0  11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0		4-17	17-23		6.6 - 9.0	0-5	0	0.0-2.0	0-5
Lunder  0-7 15-25 6.6 - 7.8 0 0 0.0  7-16 35-43 6.6 - 7.8 0 0 0.0  16-31  31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion  0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0  11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0		17-21							
7-16 35-43 6.6 - 7.8 0 0 0.0 16-31 31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451: Obanion 0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0 11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0									
7-16 35-43 6.6 - 7.8 0 0 0.0 16-31 31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0  451: Obanion 0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0 11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0	nder	0-7	15-25		6.6 - 7.8	0	0	0.0	0
16-31 7.9 - 9.0 1-10 0 2.0-4.0  451:  Obanion 0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0  11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0						0			0
31-60 4.0-8.0 7.9 - 9.0 1-10 0 2.0-4.0 451: Obanion 0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0 11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0									
Obanion 0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0 11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0 452:			4.0-8.0		7.9 - 9.0	1-10	0	2.0-4.0	0
Obanion 0-11 2.0-10 7.4 - 9.0 0-5 0 0.0-4.0 11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0 452:									
11-60 13-26 8.5 - 9.0 0-5 0 0.0-2.0 452:		0-11	2.0-10		7.4 - 9.0	0-5	0	0.0-4.0	15-35
									5-35
7.4 - 3.0 0-0 0 0.0-4.0		∩_11	7 0-12		74-00	0-5	Λ	0.0-4.0	15-35
11-60 14-26 8.5 - 9.6 0-5 0 0.0-2.0	ALIIOH I								5-35

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
<b>453</b> :								
Obanion	0-11	8.0-15		8.5 - 9.0	0-5	0	8.0-16.0	15-35
	11-60	13-26		8.5 - 9.0	0-5	0	0.0-2.0	5-35
Obanion	0-11	2.0-10		7.4 - 9.0	0-5	0	0.0-4.0	15-35
	11-60	13-26		8.5 - 9.0	0-5	0	0.0-2.0	5-35
62:								
Olac	0-4	11-17		6.1 - 7.8	0	0	0.0	0
	4-14	15-20		6.1 - 7.8	0	0	0.0	0
	14-18							
Rock Outcrop								
164:								
Olac	0-3	11-17		6.1 - 7.8	0	0	0.0	0
	3-10	15-20		6.1 - 7.8	0	0	0.0	0
	10-14							
Rock Outcrop								
166:								
Olac	0-4	11-17		6.1 - 7.8	0	0	0.0	0
	4-14	15-20		6.1 - 7.8	0	0	0.0	0
	14-18							
Ister	0-11	10-15		6.6 - 7.8	0	0	0.0	0
	11-38	20-30		6.6 - 7.8	0	0	0.0	0
	38-42							
Rock Outcrop								
<b>1</b> 67:								
Olac	0-3	11-17		6.1 - 7.8	0	0	0.0	0
	3-10	15-20		6.1 - 7.8	0	0	0.0	0
	10-14							
Old Camp	0-2	5.0-15		6.6 - 7.8	0	0	0.0-2.0	0-5
	2-19	17-23		6.6 - 9.0	0-5	0	0.0-2.0	0-5
	19-23							
Rock Outcrop								
<del>1</del> 71:								
Oppio	0-6	10-20		7.4 - 7.8	0	0	0.0	0
11.5	6-31	30-40		7.4 - 7.8	0	0	0.0	0
	31-35							

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
471:								
Nosrac	0-12	25-30		6.1 - 7.3	0	0	0.0	0
	12-60	20-30		6.1 - 7.3	0	0	0.0	0
	60-64	15-25		6.1 - 7.3	0	0	0.0	0
481:								
Orizaba	0-3	5.0-13		9.1 - 11.0	1-5	0	8.0-16.0	15-40
	3-60	18-26		8.5 - 9.0	1-5	0	4.0-16.0	15-40
482:								
Orizaba	0-3	12-20		9.1 - 11.0	1-5	0	16.0-32.0	15-40
Onzaba	3-60	18-26		8.5 - 9.0	1-5	0	4.0-16.0	15-40
483:								
Orizaba	0-3	14-19		9.1 - 9.6	1-5	0	4.0-8.0	15-40
	3-60	18-26		8.5 - 9.6	1-5	0	4.0-16.0	15-40
484:								
Orizaba	0-3	20-27		9.1 - 11.0	1-5	0	8.0-16.0	15-40
	3-60	18-26		8.5 - 9.0	1-5	0	4.0-16.0	15-40
486:								
Orizaba	0-3	12-20		9.1 - 11.0	1-5	0	16.0-32.0	15-40
Onzaba	3-60	18-26		8.5 - 9.0	1-5	0	4.0-16.0	15-40
Delp	0-5	1.0-7.0		7.9 - 9.0	1-5	0	0.0-2.0	5-12
	5-19 19-60	4.0-12 3.0-7.0		8.5 - 9.0 8.5 - 9.0	1-5 1-5	0 0	0.0-4.0 0.0-4.0	5-30 5-30
491:								
Otomo	0-4	4.0-14		7.9 - 9.0	0-3	0	0.0-2.0	5-12
	4-10	4.0-14		8.5 - 9.0	1-5	0	0.0-4.0	5-30
	10-23 23-60	4.0-8.0		8.5 - 9.6	1-5	0	0.0-4.0	5-30
	20 00	4.0 0.0		0.0 0.0	. 0	Ü	0.0 4.0	0 00
501:								
Parran	0-3	19-29		8.5 - 9.0	1-5	0-1	32.0-99.0	45-99
	3-40	25-40		8.5 - 9.0	1-5	1-3	32.0-99.0	45-99
	40-60	25-39		8.5 - 9.0	1-5	0-3	16.0-99.0	13-45
511:								
Patna	0-5	2.0-8.0		6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15		6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0		7.4 - 8.4	1-5	0	0.0-2.0	0
512:								
Patna	0-5	2.0-8.0		6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15		6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0		7.4 - 8.4	1-5	0	0.0-2.0	0

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pН	Pct	Pct	mmhos/cm	
512:								
514:								
Patna	0-8	2.0-8.0		6.6 - 7.8	0	0	0.0	0
	8-15	7.0-14		6.6 - 7.8	0	0	0.0	0
	15-43	0.0-5.0		7.4 - 8.4	0	0	0.0-2.0	0-5
	43-60	14-22		7.9 - 9.0	0-1	0	0.0-2.0	0-5
516:								
Patna	0-5	2.0-8.0		6.6 - 7.8	0	0	0.0	0
i attia	5-15	5.0-15		6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0		7.4 - 8.4	1-5	0	0.0-2.0	0
	10-00	0.0-0.0		7.4 - 0.4	1-0	3	0.0 2.0	O
517:								
Patna	0-5	2.0-8.0		6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15		6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0		7.4 - 8.4	1-5	0	0.0-2.0	0
Hough	0-10	5.0-8.0		6.6 - 7.3	0	0	0.0	0
	10-21	13-19		6.6 - 7.3	0	0	0.0	0
	21-60	2.0-5.0		6.6 - 8.4	0-2	0-1	2.0-4.0	1-5
Dlaves	0.6	20-40		9.5.00	1 10	1 10	4.0.46.0	12.45
Playas	0-6 6-60	20-40		8.5 - 9.0 8.5 - 9.0	1-10 1-10	1-10 1-10	4.0-16.0 4.0-16.0	13-45 13-45
518:	0.0	4000		00.70		•	0.0	•
Patna	0-3	4.0-8.0		6.6 - 7.8	0	0	0.0	0
	3-30	7.0-14		6.6 - 7.8	0	0	0.0	0
	30-60	0.0-5.0		7.4 - 8.4	0-1	0	0.0-2.0	0-5
519:								
Patna	0-7	5.0-10		6.6 - 7.8	0	0	0.0	0
	7-34	5.0-15		6.6 - 7.8	0	0	0.0	0
	34-60	0.0-3.0		7.4 - 8.4	1-5	0	0.0-2.0	0
	60-64	0.0-3.0		7.4 - 8.4	1-5	0	0.0-2.0	0-2
521:								
Pizene	0-6	5.0-10		7.9 - 9.6	0	0	0.0-2.0	1-12
	6-21	15-20		8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10		7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
<b>5</b> 22.								
522: Pizene	0-6	5.0-10		7.9 - 9.6	0	0	0.0-2.0	1-12
1 125115	6-21	5.0-10 15-20		7.9 - 9.6 8.5 - 9.6	1-5	0 0	2.0-8.0	13-30
	21-60	3.0-10		7.9 - 9.0	5-15	0-1	0.0-2.0	13-30
Orizaba	0-3	20-27		9.1 - 11.0	1-5	0	16.0-32.0	15-40
	3-60	18-26		8.5 - 9.0	1-5	0	4.0-16.0	15-40

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
523:								
Pizene	0-6	10-20		7.9 - 9.6	0-1	0	0.0-2.0	1-12
	6-21	15-20		8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10		7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
524:								
Pizene	0-6	3.0-8.0		7.9 - 9.6	0	0	0.0-2.0	1-5
1 120110	6-21	15-20		8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10		7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
31: Perazzo	0-4	10-15		6.6 - 7.8	0	0	0.0	0
	4-18	15-25		6.6 - 7.8	0-2	0	0.0	0
	18-60	0.0-3.0		7.9 - 9.6	1-5	0	0.0-2.0	1-12
-20.								
532: Perazzo	0-4	10-15		6.6 - 7.8	0	0	0.0	0
1 010220	4-13	15-25		6.6 - 7.8	0-2	0	0.0	0
	13-21	1.0-8.0		6.6 - 7.8	1-5	0	0.0	0
	21-60	0.0-3.0		7.9 - 9.6	1-5	0	0.0-2.0	1-12
34: Perazzo	0-4	10-15		6.6 - 7.8	0	0	0.0	0
1 614226	4-18	15-25		6.6 - 7.8	0-2	0	0.0	0
	18-60	0.0-3.0		7.9 - 9.6	1-5	0	0.0	1-12
535: Perazzo	0-4	8.0-12		6.6 - 7.8	0	0	0.0	0
Perazzo	-	6.0-12 14-22			0	0	0.0	0
	4-18 18-60	0.0-4.0		6.6 - 7.8 7.9 - 9.0	0 1-3	0 0	0.0	0 1-12
41:	0.0	4000		66 04	0	0	0.0-2.0	1.5
Uripnes	0-9	4.0-9.0		6.6 - 8.4	0	0	0.0-2.0	1-5
	9-30 30-34							
Chill	0-3	5.0-11		6.6 - 7.8	0	0	0.0	0
	3-7	19-27		6.6 - 7.8	0	0	0.0	0
	7-11							
Rock Outcrop								
51:								
Rawe	0-1	4.0-10		6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40		6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0		7.9 - 9.6	5-10	0	0.0-4.0	1-12
552:								

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
552:								
Rawe	0-1	4.0-10		6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40		6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0		7.9 - 9.6	5-10	0	0.0-4.0	1-12
Rawe	0-1	0.0-7.0		6.6 - 8.4	0	0	0.0-2.0	0-5
	1-10	30-40		6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0		7.9 - 9.6	5-10	0	0.0-4.0	1-12
553:								
Rawe	0-1	4.0-10		6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40		6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0		7.9 - 9.6	5-10	0	0.0-4.0	1-12
Malpais	0-3	3.0-10		6.6 - 8.4	0	0	0.0-4.0	0-12
	3-25	6.0-12		6.6 - 8.4	0-1	0	0.0-4.0	0-12
	25-60	6.0-12		7.9 - 9.0	0-5	0	0.0-4.0	5-30
561:								
Rebel	0-14	10-20		6.6 - 7.8	0-1	0	0.0	0
	14-60	8.0-20		7.4 - 9.0	1-10	0	0.0-4.0	1-12
Haybourne	0-11	5.0-15		6.6 - 7.8	0	0	0.0	0
Tiayboanio	11-32	5.0-15		6.6 - 8.4	0	0	0.0-2.0	0
	32-60	5.0-10		6.6 - 8.4	0-1	0	0.0-2.0	0
571:								
Reno	0-5	5.0-15		6.1 - 7.3	0	0	0.0	0
Rono	5-27	26-44		6.1 - 7.8	0	0	0.0	0
	27-41							
	41-60	2.0-7.0		7.4 - 8.4	0-5	0	0.0-4.0	0
572:								
Reno	0-5	6.0-15		6.1 - 7.3	0	0	0.0	0
	5-27	26-46		6.1 - 7.8	0	0	0.0	0
	27-41							
	41-60	2.0-7.0		7.4 - 8.4	5-15	0	0.0-4.0	5-20
581:								
Risue	0-1	10-15		6.6 - 7.8	0	0	0.0	0
	1-16	30-40		6.6 - 8.4	0-5	0	0.0-2.0	0-5
	16-60							
82:								
Risue	0-1	10-15		6.6 - 7.8	0	0	0.0	0
	1-16	30-40		6.6 - 8.4	0-5	0	0.0-2.0	0-5
	16-60							

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
591:								
Rose Creek	0-18	10-15		7.9 - 8.4	0-3	0	2.0-4.0	1-12
	18-60	5.0-15		7.4 - 8.4	0-5	0	2.0-4.0	1-12
Fallon	0-10	5.0-13		6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13		6.6 - 8.4	0-5	0	0.0-2.0	5-12
601:								
Rusty	0-9	2.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
	9-22	14-21		8.5 - 9.0	0-1	0	4.0-8.0	13-45
	22-60	3.0-7.0		7.4 - 9.0	0-2	0	4.0-8.0	13-45
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
603:								
Rusty	0-9	2.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
	9-22	14-21		8.5 - 9.0	0-1	0	4.0-8.0	13-45
	22-60	3.0-7.0		7.4 - 9.0	0-2	0	4.0-8.0	13-45
Isolde	0-7	1.0-5.0		6.6 - 8.4	0-1	0	0.0	0-5
	7-60	1.0-5.0		6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
604:								
Rusty	0-9	2.0-6.0		6.6 - 8.4	0	0	0.0-2.0	0-5
	9-22	14-21		8.5 - 9.0	0-1	0	4.0-8.0	13-45
	22-60	3.0-7.0		7.4 - 9.0	0-2	0	4.0-8.0	13-45
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
611:								
Sagouspe	0-8	5.0-10		6.6 - 8.4	1-5	0	0.0-4.0	0
	8-60	1.0-5.0		7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
612:								
Sagouspe	0-8	4.0-10		7.9 - 9.0	0-2	0	8.0-16.0	5-13
	8-60	1.0-8.0		7.4 - 8.4	0-1	0	0.0-4.0	1-12
Obanion	0-11	8.0-15		8.5 - 9.0	0-5	0	8.0-16.0	15-35
	11-60	13-26		8.5 - 9.0	0-5	0	0.0-2.0	5-35
613:								
Sagouspe	0-8	8.0-16		6.6 - 9.0	0-2	0	0.0-2.0	0-5
	8-60	0.0-4.0		6.6 - 9.0	0-1	0	0.0-2.0	1-12



Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
613:								
Dithod	0-11	21-34		7.4 - 8.4	0	0	0.0-4.0	5-12
	11-20	15-22		7.4 - 8.4	0	0	0.0-2.0	1-12
	20-60	14-22		7.4 - 8.4	0-1	0	0.0-2.0	1-12
Kimmerling	0-26	18-25		6.6 - 7.3	0	0	0.0	0
	26-38	13-20		6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0		6.6 - 7.3	0	0	0.0	0
521:								
Saralegui	0-5	1.0-4.0		6.1 - 7.3	0	0	0.0	0
	5-39	8.0-12		6.6 - 7.8	0	0	0.0	0
	39-60	1.0-4.0		6.6 - 9.0	0	0	0.0-2.0	0
Obanion	0-11	8.0-15		8.5 - 9.0	0-5	0	8.0-16.0	15-35
	11-60	13-26		8.5 - 9.0	0-5	0	0.0-2.0	5-35
623:								
Saralegui	0-5	1.0-4.0		6.1 - 7.3	0	0	0.0	0
3.	5-39	8.0-12		6.6 - 7.8	0	0	0.0	0
	39-60	1.0-4.0		6.6 - 9.0	0	0	0.0-2.0	0
625:								
Saralegui	0-5	2.0-10		6.1 - 7.3	0	0	0.0	0
•	5-32	8.0-12		6.6 - 7.8	0	0	0.0	0
	32-60	1.0-4.0		6.6 - 9.0	0	0	0.0-2.0	0
626:								
Saralegui	0-5	1.0-4.0		6.1 - 7.3	0	0	0.0	0
3	5-32	8.0-12		6.6 - 7.8	0	0	0.0	0
	32-60	1.0-4.0		6.6 - 9.0	0	0	0.0-2.0	0
Saralegui	0-5	1.0-4.0		6.1 - 7.3	0	0	0.0	0
Caraicgai	5-32	8.0-12		6.6 - 7.8	0	0	0.0	0
	32-60	1.0-4.0		6.6 - 9.0	0	0	0.0-2.0	0
207.								
627: Saralegui Variant	0-4	2.0-6.0		7.4 - 8.4	0	0	0.0-2.0	0-5
	4-20	7.0-13		7.9 - 9.0	0	0	0.0-4.0	1-12
	20-60	7.0-14		8.5 - 9.0	0-2	0	0.0-4.0	13-30
Ohanian	0.11	Q O 15		95 00	0.5	0	9 0 16 0	15 25
Obanion	0-11 11-60	8.0-15 13-26		8.5 - 9.0 8.5 - 9.0	0-5 0-5	0 0	8.0-16.0 0.0-2.0	15-35 5-35
		- <del></del>				-		
631:	0.0	40.40		70.00	4.40	0	0.0.0.0	2.5
Singatse	0-6	4.0-12		7.9 - 9.0	1-10	0	0.0-2.0	0-5
	6-12							
	12-16							



Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
632:								
Singatse	0-6	4.0-12		7.9 - 9.0	1-10	0	0.0-2.0	0-5
	6-12							
	12-16							
Rock Outcrop								
533:								
Singatse	0-6	5.0-12		7.9 - 9.0	1-10	0	0.0-2.0	0-5
-	6-12							
	12-16							
Theon	0-2	6.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15							
641:								
Tocan	0-6	6.0-11		6.6 - 8.4	0	0	0.0-4.0	0-12
	6-15	12-18		6.6 - 8.4	0	0	0.0-4.0	0-12
	15-60	4.0-7.0		7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
642:								
Tocan	0-6	6.0-11		6.6 - 8.4	0	0	0.0-4.0	0-12
	6-15	12-18		6.6 - 8.4	0	0	0.0-4.0	0-12
	15-60	4.0-7.0		7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
643:								
Tocan	0-6	6.0-11		6.6 - 8.4	0	0	0.0-2.0	0-12
	6-15	12-18		6.6 - 8.4	0	0	0.0-4.0	0-12
	15-60	4.0-7.0		7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
644:								
Tocan	0-8	6.0-11		6.6 - 8.4	0	0	0.0-4.0	0-12
	8-17	12-18		6.6 - 8.4	0	0	0.0-4.0	0-12
	17-60	4.0-7.0		7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
Yerington	0-8	1.0-5.0		7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
551:								
Theon	0-3	6.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	3-12	15-22		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	12-16							
52:								
Theon	0-2	6.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15							

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
652: 	0.0	7.0.40		0001	0.4	•	0000	0.40
Theon	0-2	7.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11 11-15	15-22 		6.6 - 9.0 	0-1 	0 	0.0-2.0	0-12 
Olac	0-4	11-17		6.1 - 7.8	0	0	0.0	0
S.ac	4-12	15-20		6.1 - 7.8	0	0	0.0	0
	12-16							
53:								
Theon	0-2	6.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15							
Lapon	0-6	13-22		6.6 - 7.8	0	0	0.0	0-5
	6-14	22-27		6.6 - 9.0	0-2	0	0.0-4.0	1-12
	14-40							
	40-44							
Olac	0-4	11-17		6.1 - 7.8	0	0	0.0	0
	4-12	15-20		6.1 - 7.8	0	0	0.0	0
	12-16							
54:								
Theon	0-2	7.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22		6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15							
Rock Outcrop								
Old Camp	0-4	8.0-16		6.6 - 7.8	0	0	0.0	0
•	4-14	17-23		6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18							
55:								
Theon	0-10	0.0-4.0		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	10-14	15-22		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	14-18							
Yerington	0-8	2.0-6.0		7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
57:								
Theon	0-3	7.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	3-11	15-22		6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15							



Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
657:								
Theon	0-3	7.0-13		6.6 - 8.4	0-1	0	0.0-2.0	0-12
	3-11	15-22		6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15							
661:								
Isolde	0-7	1.0-5.0		6.6 - 8.4	0-1	0	0.0	0-5
	7-60	1.0-5.0		6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
662:								
Isolde	0-7	1.0-5.0		6.6 - 8.4	0-1	0	0.0	0-5
	7-60	1.0-5.0		6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Patna	0-5	2.0-8.0		6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15		6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0		7.4 - 8.4	1-5	0	0.0-2.0	0
663:								
Isolde	0-6	1.0-5.0		6.6 - 8.4	0-1	0	0.0	0-5
100100	6-60	1.0-5.0		6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
671:								
Toulon	0-5	5.0-10		7.9 - 9.0	0-5	0-2	2.0-4.0	0-12
	5-13	5.0-10		7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
	13-60	0.0-3.0		7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
681:								
Yerington Variant	0-4	13-20		7.9 - 9.0	1-5	0	8.0-16.0	30-45
,	4-60	14-22		7.9 - 9.0	0-1	0-1	4.0-16.0	13-45
591:								
Ultra	0-2	3.0-10		6.6 - 9.0	0	0	0.0-4.0	13-45
S.II.a	2-11	25-36		6.6 - 9.0	0-1	0	8.0-16.0	13-60
	11-60	25-36		6.6 - 9.0	0-2	0-1	8.0-16.0	13-45
701:	0.6	6045		66 70	0	0	0.0	0
Veta	0-6 6.20	6.0-15 5.0.13		6.6 - 7.3	0	0	0.0	0
	6-20 20-60	5.0-13 1.0-12		6.6 - 7.8 6.6 - 8.4	0 1-3	0 0	0.0 0.0-2.0	0 0-5
				-	-	-	-	
702:	<b>a</b> -	a a . =		00 = -	-	-		_
Veta	0-6	6.0-15		6.6 - 7.3	0	0	0.0	0
	6-18	4.0-12		6.6 - 7.8	0	0	0.0	0
	18-60	1.0-12		6.6 - 8.4	0-2	0	0.0-2.0	0-5

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
704:								
Veta	0-6	6.0-15		6.6 - 7.3	0	0	0.0	0
	6-18	5.0-13		6.6 - 7.8	0	0	0.0	0
	18-60	1.0-12		6.6 - 8.4	1-3	0	0.0-2.0	0-5
<b>'</b> 05:								
Veta	0-3	5.0-15		6.6 - 8.4	0-1	0	0.0-2.0	0
	3-18	4.0-10		6.6 - 8.4	0-1	0	0.0-2.0	0
	18-60	1.0-12		6.6 - 8.4	1-5	0	0.0-2.0	0
<b>711</b> :								
Vylach	0-5	1.0-5.0		6.6 - 9.0	0	0	0.0-2.0	0-5
v ylacii	5-12	1.0-5.0		6.6 - 9.0	0	0	0.0-2.0	1-12
	12-27	14-26		6.6 - 9.0			0.0-2.0	1-12
	27-60							
Wassa	0.7	40.00		0.0.00	0.0	0	0.0.4.0	4.40
Weena	0-7	13-20		6.6 - 9.0	0-2	0	0.0-4.0	1-12
	7-17							
	17-21							
721:								
Wabuska	0-9	1.0-5.0		8.5 - 9.0	0-1	0	2.0-4.0	30-80
	9-60	7.0-14		7.9 - 9.0	0-2	0	2.0-8.0	5-50
Fallon	0-10	5.0-13		6.6 - 9.0	0-5	0	0.0-4.0	5-12
T GIIOTT	10-60	4.0-13		6.6 - 8.4	0-5	0	0.0-2.0	5-12
700								
722:	0.0	44.40		0.5.00	4.5	0	2040	20.00
Wabuska	0-9	11-16		8.5 - 9.0	1-5	0	2.0-4.0 2.0-8.0	30-80
	9-60	7.0-14		7.9 - 9.0	0-5	0	2.0-8.0	5-50
Fallon	0-10	5.0-13		6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13		6.6 - 8.4	0-5	0	0.0-2.0	5-12
723:								
Wabuska	0-9	11-22		8.5 - 9.6	1-5	0	8.0-16.0	31-90
· · abuonu	9-60	8.0-15		7.9 - 9.6	0-5	0	2.0-8.0	13-45
		_		_			_	
Fallon	0-10	5.0-13		6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13		6.6 - 8.4	0-5	0	0.0-2.0	5-12
724:								
Wabuska	0-9	11-22		8.5 - 9.6	1-5	0	16.0-32.0	31-90
	9-60	8.0-15		7.9 - 9.6	0-5	0	2.0-8.0	13-45
725:								
Wabuska	0-9	11-22		8.5 - 9.6	1-5	0	8.0-16.0	31-90
	0-3	11-66		0.0 0.0	1-5	9	0.0 10.0	31-30

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
725:								
Delp	0-60	1.0-7.0		7.9 - 9.0	1-5	0	0.0-2.0	5-12
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
•	6-60	20-40		9.1 - 11.0	1-10	1-10	16.0-32.0	13-45
731:								
Hunewill	0-3	6.0-15		6.6 - 7.3	0	0	0.0	0
	3-13	19-27		6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12		6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0		6.6 - 7.3	0	0	0.0	0
732:								
Hunewill	0-3	9.0-18		6.6 - 7.3	0	0	0.0	0
	3-13	19-27		6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12		6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0		6.6 - 7.3	0	0	0.0	0
733:								
Hunewill	0-3	9.0-18		6.6 - 7.3	0	0	0.0	0
Transwiii	3-13	19-27		6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12		6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0		6.6 - 7.3	0	0	0.0	0
734:								
Hunewill	0-3	5.0-10		6.6 - 7.3	0	0	0.0	0
Transwiii	3-13	19-27		6.6 - 7.8	0	0	0.0	0
	13-18	4.0-12		6.6 - 7.8	0	0	0.0	0
	18-60	0.0-2.0		6.6 - 7.8	0	0	0.0	0
Stucky	0-6	8.0-15		6.6 - 7.3	0	0	0.0	0
Stucky	6-20	20-30		6.6 - 7.3	0	0	0.0	0
	20-60	10-20		6.6 - 8.4	0-5	0	0.0-2.0	0
735:								
Hunewill	0-3	5.0-10		66 72	0	0	0.0	0
TUTEWIII	0-3 3-13	5.0-10 19-27		6.6 - 7.3 6.6 - 7.8	0 0	0 0	0.0	0 0
	13-18	4.0-12		6.6 - 7.8		0	0.0	0
	18-60	0.0-2.0		6.6 - 7.8	0 0	0	0.0	0
Stucky	0-6	8.0-15		6.6 - 7.3	0	0	0.0	0
	6-20	20-30		6.6 - 7.3	0	0	0.0	0
	20-60	10-20		6.6 - 8.4	0-5	0	0.0-2.0	0
741:								
Wedertz	0-9	8.0-15		6.1 - 7.3	0	0	0.0	0
	9-28	14-22		6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14		6.6 - 9.0	1-5	0	0.0-2.0	5-12



Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
741:	0.4	0.0.47		0.4.70	•	0	0.0	0
Wellington	0-4	9.0-17		6.1 - 7.3	0	0	0.0	0
	4-15 45-00	14-27		6.1 - 7.3	0	0	0.0	0
	15-26 26-60	 4.0-12		7.9 - 9.0	 1-5	0	0.0-4.0	 5-30
								_
Saralegui	0-5	2.0-10		6.1 - 7.3	0	0	0.0	0
	5-32	8.0-12		6.6 - 7.8	0	0	0.0-2.0	0
	32-60	1.0-4.0		6.6 - 9.0	0	0	0.0-2.0	0
742:								
Wedertz	0-9	8.0-15		6.1 - 7.3	0	0	0.0	0
	9-28	14-22		6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14		6.6 - 9.0	1-5	0	0.0-2.0	5-12
Wellington	0-4	9.0-17		6.1 - 7.3	0	0	0.0	0
-	4-15	14-27		6.1 - 7.3	0	0	0.0	0
	15-26							
	26-60	4.0-12		7.9 - 9.0	1-5	0	0.0-4.0	5-30
743:								
Wedertz	0-9	8.0-15		6.1 - 7.3	0	0	0.0	0
	9-28	14-22		6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14		6.6 - 9.0	1-5	0	0.0-2.0	5-12
Wellington	0-4	9.0-17		6.1 - 7.3	0	0	0.0	0
	4-15	14-27		6.1 - 7.3	0	0	0.0	0
	15-26							
	26-60	4.0-12		7.9 - 9.0	1-5	0	0.0-4.0	5-30
<b>744</b> :								
Wedertz	0-9	8.0-15		6.1 - 7.3	0	0	0.0	0
Wederiz	9-28	14-22		6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14		6.6 - 9.0	1-5	0	0.0-2.0	5-12
Caralagui	0.4	2.0.40		64 70	0	0	0.0	0
Saralegui	0-4	2.0-10		6.1 - 7.3	0	0	0.0	0
	4-36 36-61	8.0-12 1.0-4.0		6.6 - 7.8 6.6 - 9.0	0 0	0 0	0.0 0.0-2.0	0 0
				2.2 2.2	-	-		-
Wellington	0-4	9.0-17		6.1 - 7.3	0	0	0.0	0
	4-15	14-27		6.1 - 7.3	0	0	0.0	0
	15-26							
	26-60	4.0-12		7.9 - 9.0	1-5	0	0.0-4.0	5-30

746:

746: Wellsed	In 0-6	meq/100 g	1					tion Ratio
			meq/100 g	рН	Pct	Pct	mmhos/cm	
Wellsed								
	<b>-</b> · -	1.0-5.0		6.1 - 7.3	0	0	0.0	0
	6-15	15-30		7.4 - 9.0	0	0	0.0-4.0	0-5
	15-35	2.0-8.0		8.5 - 9.6	0-1	0	0.0-4.0	1-12
	35-50							
	50-60	3.0-8.0		8.5 - 9.6	0-5	0	0.0-4.0	5-30
Wedlar	0-6	2.0-8.0		6.1 - 7.3	0	0	0.0	0
	6-14	10-15		6.6 - 7.8	0	0	0.0	0
	14-37	21-29		6.6 - 7.8	0	0	0.0	0
	37-60	3.0-15		6.6 - 8.4	0-5	0	0.0-2.0	0-5
<b>7</b> 51:								
Malpais	0-3	3.0-10		6.6 - 8.4	0	0	0.0-4.0	0-12
maipais	3-25	6.0-10		6.6 - 8.4	0-1	0	0.0-4.0	0-12
	25-60	6.0-12		7.9 - 9.0	0-1	0	0.0-4.0	5-30
	25-60	0.0-12		7.9 - 9.0	0-5	U	0.0-4.0	5-30
753:								_
Malpais	0-10	4.0-12		6.6 - 7.3	0	0	0.0	0
	10-25	7.0-14		6.6 - 8.4	0-1	0	0.0-2.0	0-5
	25-60	7.0-14		7.9 - 9.0	1-5	0	0.0-4.0	1-12
754:								
Malpais	0-3	3.0-10		6.6 - 8.4	0	0	0.0-4.0	0-12
	3-15	6.0-12		6.6 - 8.4	0-1	0	0.0-4.0	0-12
	15-60	6.0-12		7.9 - 9.0	0-5	0	0.0-4.0	5-30
Malpais	0-3	4.0-12		6.6 - 7.3	0	0	0.0	0
	3-15	7.0-14		6.6 - 8.4	0-1	0	0.0-2.0	0-5
	15-60	7.0-14		7.9 - 9.0	1-5	0	0.0-4.0	1-12
<b>7</b> 55:								
Malpais	0-3	3.0-10		6.6 - 8.4	0	0	0.0-4.0	0-12
	3-25	6.0-12		6.6 - 8.4	0-1	0	0.0-4.0	0-12
	25-60	6.0-12		7.9 - 9.0	0-5	0	0.0-4.0	5-30
Yerington	0-8	1.0-5.0		7.4 - 8.4	0	0	0.0-2.0	1-5
<b>3</b> **	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
<b>'</b> 61:								
Yerington	0-8	1.0-5.0		7.4 - 8.4	0	0	0.0-2.0	1-5
Congress	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
62:								
	0.0	1050		71 01	0	0	0020	1 5
Yerington	0-8 8-60	1.0-5.0 1.0-5.0		7.4 - 8.4 8.5 - 9.0	0 1-5	0 0	0.0-2.0 0.0-2.0	1-5 5-12
763:								

Table J2. - Chemical Properties of the Soils - Continued

	Depth	Exchange Capacity	Cation Exchange Capacity	Soil Reaction	Carbon- ate	Gypsum	Salinity	Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
763:								
Yerington	8-0	1.0-5.0		7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
764:								
Yerington	0-8	1.0-5.0		7.4 - 8.4	0	0	0.0-2.0	1-5
· ·	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
<b>'</b> 65:								
Yerington	0-8	2.0-6.0		7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
766:								
Yerington	0-8	2.0-6.0		7.4 - 8.4	0	0	0.0-2.0	1-5
1 Strington	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
						-		
767: Yerington	0-8	2.0-6.0		7.4 - 8.4	0	0	0.0-2.0	1-5
remigion	8-60	1.0-5.0		8.5 - 9.0	1-5	0	0.0-2.0	5-12
	8-00	1.0-3.0		0.5 - 9.0	1-3	U	0.0-2.0	3-12
771:								
Biddleman	0-3	5.0-10		7.9 - 9.0	1-5	0	2.0-4.0	1-12
	3-9	15-25		7.9 - 9.0	1-5	0-1	0.8-0.0	13-30
	9-60	1.0-8.0		7.9 - 9.0	5-10	0-1	0.8-0.0	1-12
Biddleman	0-3	6.0-12		7.9 - 9.0	0-1	0	2.0-4.0	13-30
	3-9	14-22		7.9 - 9.0	1-5	0	0.8-0.0	13-30
	9-60	1.0-8.0		7.9 - 9.0	1-5	0	0.0-4.0	13-30
<b>'</b> 81:								
Celeton	0-2	5.0-10		7.4 - 9.0	1-5	0	0.0-4.0	0-2
	2-9	5.0-10		7.4 - 9.0	1-5	0	0.0-2.0	0-2
	9-60							
'82:								
Weena	0-7	13-20		6.6 - 9.0	0-2	0	0.0-4.0	1-12
	7-17							
	17-21							
Malpais	0-10	4.0-12		6.6 - 7.3	0	0	0.0	0
•	10-25	7.0-14		6.6 - 8.4	0-1	0	0.0-2.0	0-5
	25-60	7.0-14		7.9 - 9.0	1-5	0	0.0-4.0	1-12
<b>7</b> 91:								
Flex	0-4	9.0-15		6.1 - 7.3	0	0	0.0	0
I IOA	4-12	14-21		6.1 - 7.3	0	0	0.0	0
	12-16	14-21		0.1 - 7.5				

In   meg/100 g   meg/100 g   pH   Pct   Pct   mmhos/cm	Map Symbol nd Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodiun Adsorp tion Ratio
Duce   0-4   10-20     6.1 - 7.8   0   0   0.0     4-19   20-30     6.1 - 7.8   0   0   0.0     4-19   20-30     6.1 - 7.8   0   0   0.0     19-23                 19-23               19-23               19-23               19-23               19-23               19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23             19-23           19-23           19-24           19-25           19-25           19-26           19-26           19-26           19-26             19-26             19-27             19-29             19-20             19-20             19-20             19-20             19-20               19-20             19-20               19-20               19-20               19-20                 19-20                 19-20                   19-20                   19-20                     19-20                     29-21           .	•	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
## 19									
792:  Osobb  O-4 10-15 7,4 - 9.0 1-5 0 0.0-2.0 4-11 1 10-15 7,9 - 9.6 5-10 0 2.0-4.0 11-12 12-16		0-4	10-20		6.1 - 7.8	0	0	0.0	0
Pirouette  0-4 10-15 7.4 - 9.0 1-5 0 0.0-2.0 1-12 12-16		4-19	20-30		6.1 - 7.8	0	0	0.0	0
Osobb         0-4         10-15          7.4 - 9.0         1-5         0         0.0-2.0           4-11         10-15          7.9 - 9.6         5-10         0         2.0-4.0           11-12                 Pirouette         0-4         10-15          7.9 - 9.0         0-5         0-1         2.0-8.0           4-11         20-30          7.9 - 9.0         0-5         0-1         2.0-8.0           11-12                  Rock Outcrop                   Pirouette         0-4         7.0-14          7.9 - 9.0         0-1         0         0.0-2.0           993:            7.9 - 9.0         0-1         0         0.0-2.0           993:           7.9 - 9.0         0-1         0         0.0-2.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0 <td></td> <td>19-23</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		19-23							
Osobb         0-4 4-11 10-15									
A-11		0.4	10.15		74.00	1.5	0	0000	1 5
11-12									1-5
Pirouette  0.4 10-15 7.9 - 9.0 1-5 0 0.0-2.0 4-11 20-30 7.9 - 9.0 0-5 0-1 2.0-8.0 11-12 12-16									1-5
Pirouette  0-4 10-15 7.9 - 9.0 1.5 0 0.0-2.0 11-12 7.9 - 9.0 0.5 0-1 2.0-8.0 11-12									
A-11	•	12-16							
11-12		0-4	10-15		7.9 - 9.0	1-5	0	0.0-2.0	1-12
11-12		4-11	20-30		7.9 - 9.0	0-5	0-1	2.0-8.0	13-30
Rock Outcrop									
93: Pirouette  0.4 7.0-14 7.9-9.0 0-1 0 0.0-2.0 4-14 20-26 7.9-9.0 0-1 0 2.0-8.0 14-23 23-27  102: Loomer  0.4 13-22 6.6-7.8 0 0 0.0 4-15 26-39 6.6-7.8 0 0 0.0 15-19  Zephan  0.2 10-15  2-37 30-40 5.6-7.3 0 0 0.0 37-41 41-45  Olac  0.4 11-17 6.1-7.8 0 0 0.0 4-14 15-20 6.1-7.8 0 0 0.0 4-14 15-20 6.1-7.8 0 0 0.0 14-18  0.3: Loomer  0.4 13-22 6.6-7.8 0 0 0 0.0 4-15 26-39 6.6-7.8 0 0 0 0.0 15-19  Loomer									
Pirouette  0.4 7.0-14 7.9 - 9.0 0-1 0 0.0-2.0 4-14 20-26 7.9 - 9.0 0-1 0 2.0-8.0 14-23 23-27 23-27  302:  Loomer  0.4 13-22 6.6 - 7.8 0 0 0 0.0 4-15 26-39 6.6 - 7.8 0 0 0 0.0 15-19 2ephan  0.2 10-15 5.6 - 7.3 0 0 0 0.0 2-37 30-40 5.6 - 7.3 0 0 0 0.0 37-41	crop								
Pirouette  0.4 7.0-14 7.9 - 9.0 0-1 0 0.0-2.0 4-14 20-26 7.9 - 9.0 0-1 0 2.0-8.0 14-23 23-27 23-27  302:  Loomer  0.4 13-22 6.6 - 7.8 0 0 0 0.0 4-15 26-39 6.6 - 7.8 0 0 0 0.0 15-19 2ephan  0.2 10-15 5.6 - 7.3 0 0 0 0.0 2-37 30-40 5.6 - 7.3 0 0 0 0.0 37-41									
A-14 20-26 7.9 - 9.0 0-1 0 2.0-8.0 14-23		0.4	7044		70.00	0.4	0	0.0.0	40.00
14-23									13-30
02:  Loomer						-			13-45
02:  Loomer									
Loomer	:	23-27							
Zephan  0-2 10-15 5.6 - 7.3 0 0 0 0.0 2-37 30-40 5.6 - 7.3 0 0 0 0.0 37-41 41-45  Olac  0-4 11-17 6.1 - 7.8 0 0 0 0.0 4-14 15-20 6.1 - 7.8 0 0 0 0.0 14-18  103:  Loomer  0-4 13-22 6.6 - 7.8 0 0 0 0.0 15-19 6.6 - 7.8 0 0 0 0.0  Loomer  0-4 13-22 6.6 - 7.8 0 0 0 0.0 15-19									
Zephan  0-2 10-15 5.6 - 7.3 0 0 0 0.0 2-37 30-40 5.6 - 7.3 0 0 0 0.0 37-41 41-45  Olac  0-4 11-17 6.1 - 7.8 0 0 0 0.0 4-14 15-20 6.1 - 7.8 0 0 0 0.0 14-18  303:  Loomer  0-4 13-22 6.6 - 7.8 0 0 0 0.0 4-15 26-39 6.6 - 7.8 0 0 0 0.0 15-19  Loomer		0-4	13-22		6.6 - 7.8	0	0	0.0	0
Zephan  0-2 10-15 5.6 - 7.3 0 0 0 0.0 2-37 30-40 5.6 - 7.3 0 0 0 0.0 37-41 41-45  Olac  0-4 11-17 6.1 - 7.8 0 0 0 0.0 4-14 15-20 6.1 - 7.8 0 0 0 0.0 14-18  103:  Loomer  0-4 13-22 6.6 - 7.8 0 0 0 0.0 15-19 6.6 - 7.8 0 0 0 0.0  Loomer  0-4 13-22 6.6 - 7.8 0 0 0 0.0  15-19		4-15				0	0		0
Olac 0-4 11-17 6.1 - 7.8 0 0 0 0.0 0.0 14-18									
01		0.0	10.15		F 6 7 2	0	0	0.0	0
Olac 0-4 11-17 6.1 - 7.8 0 0 0 0.0 4-14 15-20 6.6 - 7.8 0 0 0 0.0 15-19 6.6 - 7.8 0 0 0 0.0 10.0 15-19 6.6 - 7.8 0 0 0 0.0 10.0 10.0 15-19 6.6 - 7.8 0 0 0 0.0 10.0 10.0 10.0 10.0 10.0 10									
Olac 0-4 11-17 6.1 - 7.8 0 0 0 0.0 4-14 15-20 6.1 - 7.8 0 0 0 0.0 14-18									0
4-14     15-20      6.1 - 7.8     0     0     0.0       14-18              03:     Loomer     0-4     13-22      6.6 - 7.8     0     0     0.0       4-15     26-39      6.6 - 7.8     0     0     0.0       15-19             Loomer     0-4     13-22      6.6 - 7.8     0     0     0.0									
4-14     15-20      6.1 - 7.8     0     0     0.0       14-18              03:     Loomer     0-4     13-22      6.6 - 7.8     0     0     0.0       4-15     26-39      6.6 - 7.8     0     0     0.0       15-19             Loomer     0-4     13-22      6.6 - 7.8     0     0     0.0									
14-18		0-4	11-17		6.1 - 7.8	0	0	0.0	0
14-18		4-14	15-20		6.1 - 7.8	0	0	0.0	0
Loomer 0-4 13-22 6.6 - 7.8 0 0 0.0 0.0 4-15 26-39 6.6 - 7.8 0 0 0 0.0 15-19 1 1 1 1		14-18							
Loomer 0-4 13-22 6.6 - 7.8 0 0 0.0 0.0 4-15 26-39 6.6 - 7.8 0 0 0.0 15-19 1 15-20 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0									
4-15 26-39 6.6 - 7.8 0 0 0.0 15-19 Loomer 0-4 13-22 6.6 - 7.8 0 0 0 0.0		0-4	13-22		66-78	Λ	Λ	0.0	0
15-19 Loomer 0-4 13-22 6.6 - 7.8 0 0 0.0									0
4-15 26-39 6.6 - 7.8 0 0 0.0						0	0		0
		4-15	26-39		6.6 - 7.8	0	0	0.0	0
15-19		15-19							

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
311:								
Trid	0-4	5.0-15		6.1 - 7.3	0	0	0.0	0
	4-23	15-30		6.6 - 7.3	0	0	0.0	0
	23-48							
Trid	0-4	4.0-10		6.1 - 7.3	0	0	0.0	0
	4-23	15-30		6.6 - 7.3	0	0	0.0	0
	23-48							
Drit	0-9	7.0-15		6.1 - 7.3	0	0	0.0	0
Diit	9-25	7.0-15 7.0-15		6.1 - 7.3				
					0	0	0.0	0
	25-60	6.0-15		6.1 - 7.3	0	0	0.0	0
12:								
Trid	0-4	5.0-20		6.1 - 7.3	0	0	0.0	0
	4-23	15-30		6.6 - 7.3	0	0	0.0	0
	23-27							
Roloc	0-8	5.0-10		6.1 - 7.3	0	0	0.0	0
110100	8-17	5.0-15		6.1 - 7.3	0	0	0.0	0
	17-21							
<b>-</b>						_		_
Drit	0-9	7.0-15		6.1 - 7.3	0	0	0.0	0
	9-25	7.0-15		6.1 - 7.3	0	0	0.0	0
	25-60	6.0-15		6.1 - 7.3	0	0	0.0	0
321:								
Badland								
322:								
Dumps								
23:								
Gypsum Land								
24:								
Pits								
325:								
Pits								
. 10							-	
326:								
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-32.0	13-45
	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-32.0	13-45
27:								
Slickens								
CHORCIG	- <b></b>			===			===	

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
831:								
Ister	0-17	10-15		6.6 - 7.8	0	0	0.0	0
	17-38	20-30		6.6 - 7.8	0	0	0.0	0
	38-42							
Hyloc	0-5	12-18		6.1 - 7.3	0	0	0.0	0
•	5-18	29-41		6.6 - 7.3	0	0	0.0	0
	18-24							
	24-28							
Lunder	0-7	15-25		6.6 - 7.8	0	0	0.0	0
	7-16	35-43		6.6 - 7.8	0	0	0.0	0
	16-31							
	31-60	4.0-8.0		7.9 - 9.0	1-10	0	2.0-4.0	0
841:								
Bradshaw	0-15	15-20		6.6 - 7.3	0	0	0.0	0
Diadollaw	15-43	10-15		6.6 - 7.3	0	0	0.0	0
	43-47							
Hartig	0-14	7.0-17		6.1 - 7.3	0	0	0.0	0
Tarug	14-60	8.0-16		6.6 - 7.3	0	0	0.0	0
	60-64							
851:								
Tenpin	0-7	9.0-18		6.1 - 7.3	0	0	0.0	0
Tonpin	7-33	29-37		6.6 - 7.3	0	0	0.0	0
	33-60	11-19		6.6 - 7.3	0	0	0.0	0
Shree	0-10	15-25		6.1 - 7.8	0	0	0.0	0
Cinos	10-26	25-35		6.6 - 7.8	0	0	0.0	0
	26-60	8.0-20		6.6 - 7.8	0	0	0.0	0
861:								
Shree	0-10	15-25		6.1 - 7.8	0	0	0.0	0
	10-26	25-35		6.6 - 7.8	0	0	0.0	0
	26-60	8.0-20		6.6 - 7.8	0	0	0.0	0
371:								
Nall	0-8	3.0-11		6.1 - 7.3	0	0	0.0	0
	8-20							
	20-24							
Luppino	0-7	5.0-15		5.6 - 7.3	0	0	0.0	0
FB	7-12	15-25		5.6 - 7.3	0	0	0.0	0
	12-23							
	23-27							

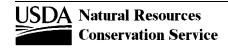


Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
871:								
Hotsprings	0-4 4-60	1.0-4.0 1.0-4.0		6.6 - 7.3 6.6 - 7.3	0	0	0.0	0
Fluvaquentic Endoaquolls	0-12 12-35	10-20 20-30		6.1 - 7.3 7.4 - 9.6	0 0-5	0 0	0.0 0.0-8.0	0 0-12
	35-60	10-15		6.6 - 8.4	0-5	0	0.8-0.0	0-5
881:								
Ravenell Variant	0-7	13-18		6.6 - 7.8	0	0	0.0	0
	7-15	25-36		6.6 - 7.8	0	0	0.0	0
	15-19							
Devils Variant	0-10	9.0-19		6.1 - 7.3	0	0	0.0	0
20110 1 4114111	10-30	19-27		6.1 - 7.3	0	0	0.0	0
	30-34							
891:								
Berit	0-2	5.0-9.0		6.1 - 7.3	0	0	0.0	0
Bent	2-5	21-27		6.1 - 7.3	0	0	0.0	0
	5-9							
Shoken	0-5	2.0-7.0		6.6 - 7.3	0	0	0.0	0
Shoken	5-26	2.0-7.0						
	26-31							
892:								
Berit	0-2	5.0-9.0		6.1 - 7.3	0	0	0.0	0
Dent	2-5	21-27		6.1 - 7.3	0	0	0.0	0
	5-9							
Shoken	0-5	2.0-7.0		6.6 - 7.3	0	0	0.0	0
Shoken	5-26	2.0-7.0		0.0 - 7.3			0.0 	
	26-31							
000								
893:	0.2	F 0 0 0		64 72	0	0	0.0	0
Berit	0-3 3-7	5.0-9.0 21-27		6.1 - 7.3 6.1 - 7.3	0 0	0 0	0.0 0.0	0 0
	7-11							
	_				_	_		_
Saralegui	0-5	1.0-4.0		5.6 - 6.5	0	0	0.0	0
	5-32	6.0-15		6.6 - 7.8	0	0	0.0	0
	32-60	6.0-10		6.6 - 7.8	0	0	0.0	0
911:								
Fulstone Variant	0-5	12-21		6.1 - 7.3	0	0	0.0	0
	5-25	26-37		6.1 - 7.3	0	0	0.0	0
	25-29							



Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
_	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
911:								
Devils	0-7	13-18		6.1 - 7.3	0	0	0.0	0
	7-22	20-27		6.1 - 7.3	0	0	0.0	0
	22-30							
	30-34							
Glean	0-24	10-20		6.1 - 7.3	0	0	0.0	0
	24-51	5.0-15		6.1 - 7.3	0	0	0.0	0
	51-55							
921:								
Glean	0-14	10-20		6.1 - 7.3	0	0	0.0	0
	14-60	5.0-15		6.1 - 7.3	0	0	0.0	0
Devils	0-7	13-18		6.1 - 7.3	0	0	0.0	0
	7-22	20-27		6.1 - 7.3	0	0	0.0	0
	22-30							
	30-34							
922:								
Glean	0-14	10-20		6.1 - 7.3	0	0	0.0	0
	14-60	5.0-15		6.1 - 7.3	0	0	0.0	0
Devils	0-7	13-18		6.1 - 7.3	0	0	0.0	0
	7-22	20-27		6.1 - 7.3	0	0	0.0	0
	22-30							
	30-34							
Rock Outcrop								
923:								
Glean	0-14	10-20		6.1 - 7.3	0	0	0.0	0
	14-60	5.0-15		6.1 - 7.3	0	0	0.0	0
Ticino	0-12	6.0-17		6.1 - 7.3	0	0	0.0	0
	12-28	14-27		6.1 - 7.3	0	0	0.0	0
	28-32							
Hartig	0-14	7.0-17		6.1 - 7.3	0	0	0.0	0
-	14-60	8.0-16		6.6 - 7.3	0	0	0.0	0
	60-64							
932:								
Shoken	0-5	2.0-7.0		6.6 - 7.3	0	0	0.0	0
	5-25							
	25-29							
Rock Outcrop								

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	ln	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
951:								
Koontz	0-2	5.0-20		6.1 - 7.8	0	0	0.0	0
	2-17	15-30		6.1 - 7.8	0	0	0.0	0
	17-21							
Haar	0-6	9.0-17		6.6 - 8.4	0	0	0.0	0-5
Tiddi	6-10							
Ravenell	0-3	13-18		6.6 - 7.8	0	0	0.0	0
Naveneli	3-7	26-34		6.6 - 7.8	0	0	0.0	0
	7-11							
050.								
952:	2.2	40.00		00.70	•	0	0.0	•
Koontz, very stony	0-2	10-20		6.6 - 7.8	0	0	0.0	0
	2-5	10-25		6.6 - 7.8	0	0	0.0	0
	5-12	15-30		6.1 - 7.8	0	0	0.0	0
	12-16							
Tristan, VERY STONY	0-7	10-20		6.6 - 7.8	0	0	0.0	0
	7-28	15-35		6.6 - 7.8	0	0	0.0	0
	28-49	15-20		6.6 - 7.8	0	0	0.0	0
	49-53							
Devada, VERY STONY	0-4	20-30		6.1 - 7.8	0	0	0.0	0
,	4-5	20-30		6.1 - 7.3	0	0	0.0	0
	5-13	32-48		6.1 - 7.3	0	0	0.0	0
	13-17							
961:								
	0.7	E O 1E		F 6 7 2	0	0	0.0	0
Luppino	0-7 7-12	5.0-15 15-25		5.6 - 7.3	0	0	0.0	0
				5.6 - 7.3	0	0	0.0	0
	12-21 21-25							
074.								
971: Minneha	0-5	5.0-20		6.1 - 7.8	0	0	0.0	0
	5-18	5.0-15		6.1 - 7.8	0	0	0.0	0
	18-22							
Drit	0-9	7.0-15		6.6 - 7.3	0	0	0.0	0
DIII								0
	9-60	7.0-15		6.6 - 7.3	0	0	0.0	0
Rock Outcrop								
972:								
Berit	0-3	15-23		6.1 - 7.3	0	0	0.0	0
-	3-7	19-27		6.1 - 7.3	0	0	0.0	0
	7-11							

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
972:								
Minneha	0-5	5.0-20		6.1 - 7.8	0	0	0.0	0
	5-18	5.0-15		6.1 - 7.8	0	0	0.0	0
	18-22							
Wile	0-7	10-17		6.1 - 7.3	0	0	0.0	0
	7-18	26-34		6.1 - 7.3	0	0	0.0	0
	18-22							
981:								
Ravenell	0-3	13-18		6.6 - 7.8	0	0	0.0	0
	3-7	26-34		6.6 - 7.8	0	0	0.0	0
	7-11							
982:								
Ravenell	0-3	13-18		6.6 - 7.8	0	0	0.0	0
	3-7	26-34		6.6 - 7.8	0	0	0.0	0
	7-11							
Haar	0-6	9.0-17		6.6 - 8.4	0	0	0.0	0-5
· idai	6-10							
Rock Outcrop								
991:								
Roloc	0-9	5.0-10		6.1 - 7.3	0	0	0.0	0
	9-17	5.0-15		6.1 - 7.3	0	0	0.0	0
	17-21							
Drit	0-20	7.0-15		6.6 - 7.3	0	0	0.0	0
	20-60	7.0-15		6.6 - 7.3	0	0	0.0	0
1001:								
Rowel	0-6	6.0-15		6.6 - 7.3	0	0	0.0	0
	6-14	29-41		6.6 - 7.8	0	0	0.0	0
	14-18							
002:								
Rowel	0-6	6.0-15		6.6 - 7.3	0	0	0.0	0
	6-14	29-41		6.6 - 7.8	0	0	0.0	0
	14-18							
Rock Outcrop								
1011:								
Smedley	0-2	4.0-12		6.6 - 8.4	0	0	0.0-2.0	0-5
,	2-18	25-34		6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43							
	43-60	0.8-0.0		7.9 - 9.0	1-10	0	0.0-2.0	0-2

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
011:	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
012:								
Smedley	0-2	4.0-12		6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34		6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43							
	43-60	0.8-0.0		7.9 - 9.0	1-10	0	0.0-2.0	0-2
013:								
Smedley	0-2	4.0-12		6.6 - 8.4	0	0	0.0-2.0	0-5
Officulty	2-18	4.0-12 25-34		6.6 - 8.4	0-3	0	0.0-2.0	0-5 0-5
	18-43	25-34		0.0 - 0.4	U-3 		0.0-2.0	0-5
	43-60	0.0-8.0		7.9 - 9.0	1-10	0	0.0-2.0	0-2
Smedley	0-2	4.0-12		6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34		6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43							
	43-60	0.8-0.0		7.9 - 9.0	1-10	0	0.0-2.0	0-2
014:								
Smedley	0-2	4.0-12		6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34		6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43							
	43-60	0.8-0.0		7.9 - 9.0	1-10	0	0.0-2.0	0-2
Smedley	0-2	4.0-12		6.6 - 8.4	0	0	0.0-2.0	0-5
J	2-18	25-34		6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43							
	43-60	0.0-8.0		7.9 - 9.0	1-10	0	0.0-2.0	0-2
004								
021: Springmeyer	0-10	5.0-20		6.1 - 7.3	0	0	0.0	0
Springineyer	10-34	25-30		6.1 - 7.8	0	0	0.0	0
	34-60	15-20		6.6 - 8.4	0-1	0	0.0-2.0	0
031:								
Burnborough	0-10	10-25		6.1 - 7.3	0	0	0.0	0
	10-60	15-30		6.1 - 7.3	0	0	0.0	0
Glean	0-14	10-20		6.1 - 7.3	0	0	0.0	0
	14-60	6.0-15		6.1 - 7.3	0	0	0.0	0
041:								
Whichman	0-15	8.0-12		6.6 - 7.8	0	0	0.0	0
	15-33	8.0-15		6.6 - 7.8	0	0	0.0	0
	33-56	6.0-9.0		6.6 - 7.8	0	0	0.0	0
	56-60							



Table J2. - Chemical Properties of the Soils - Continued

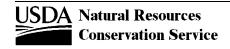
Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
1041:								
Ister	0-17	10-15		6.6 - 7.8	0	0	0.0	0
	17-38 38-42	20-30		6.6 - 7.8 	0 	0	0.0	0 
	30-42							
Rock Outcrop								
1051:								
Zyzzi	0-2	6.0-11		6.6 - 7.3	0	0	0.0	0
	2-6	19-27		6.6 - 7.8	0	0	0.0	0
	6-40							
1072:								
Hawsley	0-8	1.0-5.0		6.6 - 8.4	0	0	0.0	0
	8-60	1.0-5.0		7.4 - 9.0	1-5	0	0.0-2.0	2-9
1073:								
Hawsley	0-8	1.0-5.0		6.6 - 8.4	0	0	0.0	0
	8-60	1.0-5.0		7.4 - 9.0	1-5	0	0.0-2.0	2-9
Gamgee	0-4	5.0-9.0		7.9 - 9.0	0-1	0	0.0-2.0	13-30
	4-17	18-26		7.9 - 9.0	0-1	0	4.0-8.0	13-45
	17-60	7.0-15		7.9 - 9.0	1-5	0	4.0-8.0	13-45
1074:								
Hawsley	0-8	4.0-7.0		6.6 - 7.3	0	0	0.0	0
	8-50	0.0-5.0		7.4 - 9.0	0-1	0	0.0-2.0	0-5
	50-60	13-22		9.1 - 11.0	0-2	0	16.0-32.0	13-45
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
1075:								
Hawsley	0-8	4.0-7.0		6.6 - 7.3	0	0	0.0	0
	8-50	0.0-5.0		7.4 - 9.0	0-1	0	0.0-2.0	0-5
	50-60	13-22		9.1 - 11.0	0-2	0	16.0-32.0	13-45
Playas	0-6	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
·	6-60	20-40		8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
1081:								
Stucky	0-6	8.0-15		6.6 - 7.3	0	0	0.0	0
	6-20	20-30		6.6 - 7.3	0	0	0.0	0
	20-60	10-20		6.6 - 8.4	0-5	0	0.0-2.0	0
1082:								
Stucky	0-6	8.0-15		6.6 - 7.3	0	0	0.0	0
•	6-20	20-30		6.6 - 7.3	0	0	0.0	0
	20-60	10-20		6.6 - 8.4	0-5	0	0.0-2.0	0

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
1082:								
Stucky	0-6	8.0-15		6.6 - 7.3	0	0	0.0	0
•	6-20	20-30		6.6 - 7.3	0	0	0.0	0
	20-60	10-20		6.6 - 8.4	0-5	0	0.0-2.0	0
083:								
Stucky	0-6	8.0-15		6.6 - 7.3	0	0	0.0	0
•	6-20	20-30		6.6 - 7.3	0	0	0.0	0
	20-60	10-20		6.6 - 8.4	0-5	0	0.0-2.0	0
Hunewill	0-3	9.0-18		6.6 - 7.3	0	0	0.0	0
-	3-13	19-27		6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12		6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0		6.6 - 7.3	0	0	0.0	0
Veta	0-6	6.0-15		6.6 - 7.3	0	0	0.0	0
	6-18	5.0-13		6.6 - 7.8	0	0	0.0	0
	18-60	1.0-12		6.6 - 8.4	1-3	0	0.0-2.0	0-5
091:								
Glean Variant	0-11	2.0-8.0		6.6 - 7.3	0	0	0.0	0
	11-31	1.0-3.0		6.6 - 7.3	0	0	0.0	0
	31-35							
Hartig Variant	0-2	4.0-13		6.1 - 7.3	0	0	0.0	0
<b>G</b>	2-16	2.0-10		6.1 - 7.3	0	0	0.0	0
	16-20							
Rubble Land								
103:								
Mirkwood	0-7	4.0-12		6.6 - 9.0	0	0	0.0-2.0	0-5
	7-14	18-26		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	14-18							
Nemico	0-6	3.0-7.0		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	6-18	21-33		7.9 - 9.0	0-5	0	4.0-8.0	31-60
	18-21							
	21-25							
110:								
Surgem	0-6	10-15		6.6 - 7.8	0	0	0.0	0
•	6-22	30-40		6.1 - 7.8	0	0	0.0	0
	22-30							
Olac	0-4	11-17		6.1 - 7.8	0	0	0.0	0
	4-14	15-20		6.1 - 7.8	0	0	0.0	0
	14-18							

Table J2. - Chemical Properties of the Soils - Continued

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
1110:								
Cagle	0-2	20-30		6.1 - 7.8	0	0	0.0	0
g	2-30	30-45		6.1 - 7.8	0	0	0.0	0
	30-34							
1121:								
Duco	0-4	10-20		6.1 - 7.8	0	0	0.0	0
Bado	4-19	20-30		6.1 - 7.8	0	0	0.0	0
	19-23							
Negroe	0.12	20.25		64 70	0	0	0.0	0
Nosrac	0-12 12-45	20-25 20-30		6.1 - 7.3 6.1 - 7.3	0 0	0 0	0.0 0.0	0
	45-60	20-30 15-25		6.1 - 7.3	0	0	0.0	0 0
1131:		0070		70.00	0.4	•		4.40
Gamgee	0-4	2.0-7.0 18-26		7.9 - 9.0	0-1	0	0.0-2.0	1-12
	4-17 17-60	18-26		7.9 - 9.0 7.9 - 9.0	0-2 1-5	0 0	4.0-8.0 4.0-8.0	20-40 20-40
1141:								
Old Camp	0-4	8.0-16		6.6 - 7.8	0	0	0.0	0
	4-14	17-23		6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18							
Mirkwood	0-4	7.0-14		6.6 - 7.8	0	0	0.0	0
	4-14	18-26		6.6 - 7.8	0-1	0	0.0	0
	14-18							
Nemico	0-6	3.0-7.0		6.6 - 9.0	0-1	0	0.0-2.0	1-12
	6-18	21-33		7.9 - 9.0	0-5	0	4.0-8.0	31-60
	18-21							
	21-25							
1142:								
Old Camp	0-4	8.0-16		6.6 - 7.8	0	0	0.0	0
,	4-14	17-23		6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18							
Holbrook Variant	0-9	6.0-11		6.6 - 7.3	0	0	0.0	0
I IOIDIOON VAIIAIIL	9-35	4.0-8.0		6.6 - 7.3	0	0	0.0	0
	35-39							
4440.								
1143:	0.4	5 O 15		66 70	0	0	0.0	0
Old Camp	0-4 4-14	5.0-15 17-23		6.6 - 7.8 6.6 - 9.0	0 0-5	0 0	0.0 0.0-2.0	0 0-5
	4-14 14-18	17-23		0.0 - 9.0	0-5 		0.0-2.0	0-5 
	14-10	- <b></b>						



Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	рН	Pct	Pct	mmhos/cm	
1143:								
Reno Variant	0-11	5.0-10		6.6 - 7.3	0	0	0.0	0
	11-18	14-20		6.6 - 7.3	0	0	0.0	0
	18-24							
	24-28							
Hyloc	0-3	12-18		6.1 - 7.3	0	0	0.0	0
•	3-18	29-41		6.6 - 7.3	0	0	0.0	0
	18-22							
	22-26							
1144:								
Jubilee	0-10	8.0-16		6.6 - 7.8	0	0	0.0-4.0	0
	10-38	6.0-12		6.6 - 7.3	0	0	0.0-2.0	0
	38-60	3.0-7.0		6.6 - 7.8	0-1	0	0.0-2.0	0
Dressler	0-18	5.0-15		6.1 - 7.3	0	0	0.0	0
	18-60	1.0-5.0		6.1 - 7.3	0	0	0.0	0
Kimmerling	0-22	20-30		6.6 - 8.4	0	0	0.0-4.0	0-5
-	22-42	20-30		6.6 - 7.8	0	0	0.0	0
	42-60	8.0-24		6.6 - 7.8	0	0	0.0	0
Jubilee	0-5	15-23		6.1 - 7.3	0	0	0.0	0
	5-37	6.0-17		6.6 - 7.3	0	0	0.0	0
	37-60	4.0-11		6.6 - 7.8	0-1	0	0.0	0
1145:								
Water								